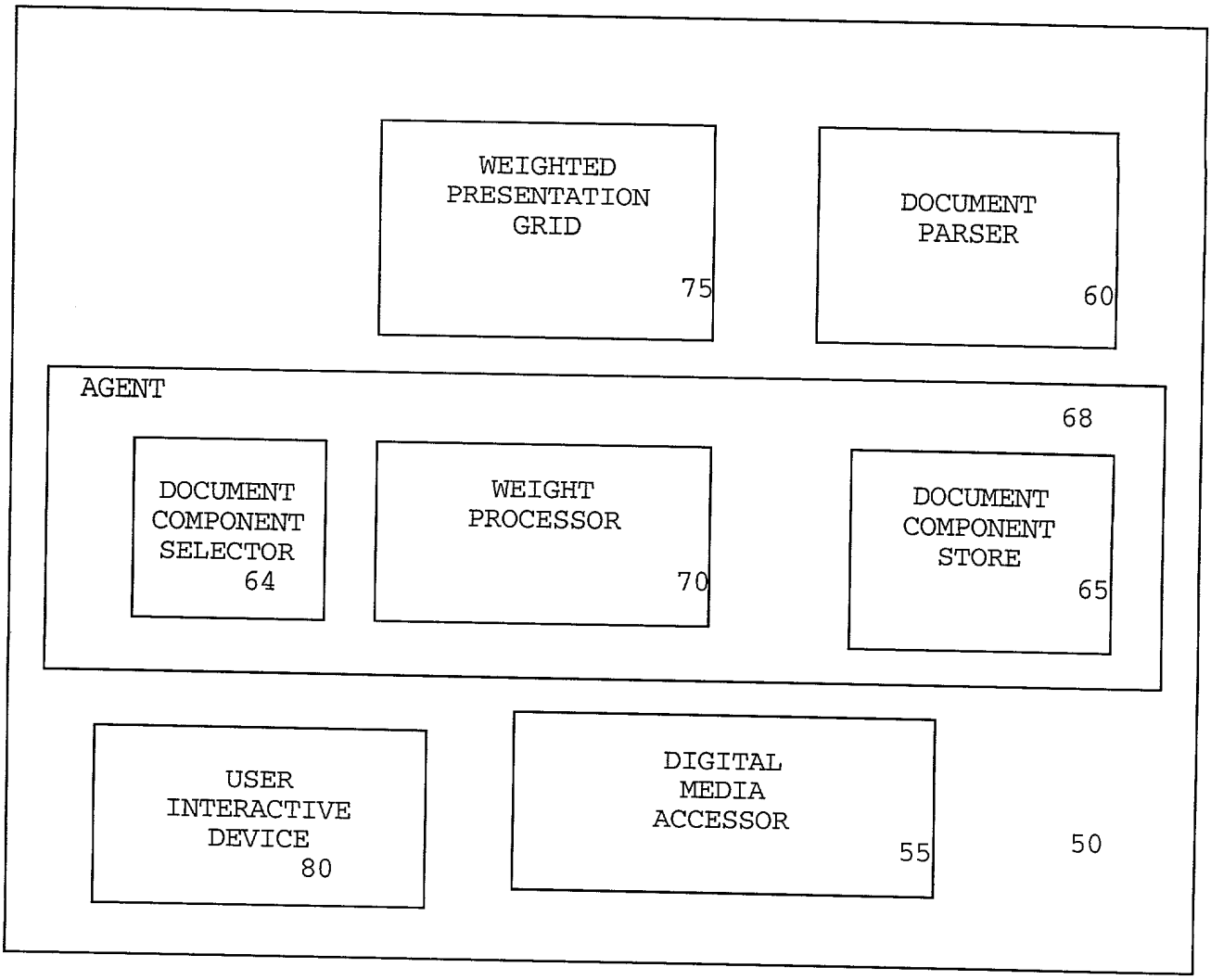
WEIGHTED PRESENTATION GRID
75
DOCUMENT PARSER
60
AGENT
68
DOCUMENT COMPONENT SELECTOR
64
WEIGHT PROCESSOR
70
DOCUMENT COMPONENT STORE
65
USER INTERACTIVE DEVICE
80
DIGITAL MEDIA ACCESSOR
55
50

FIG. 1

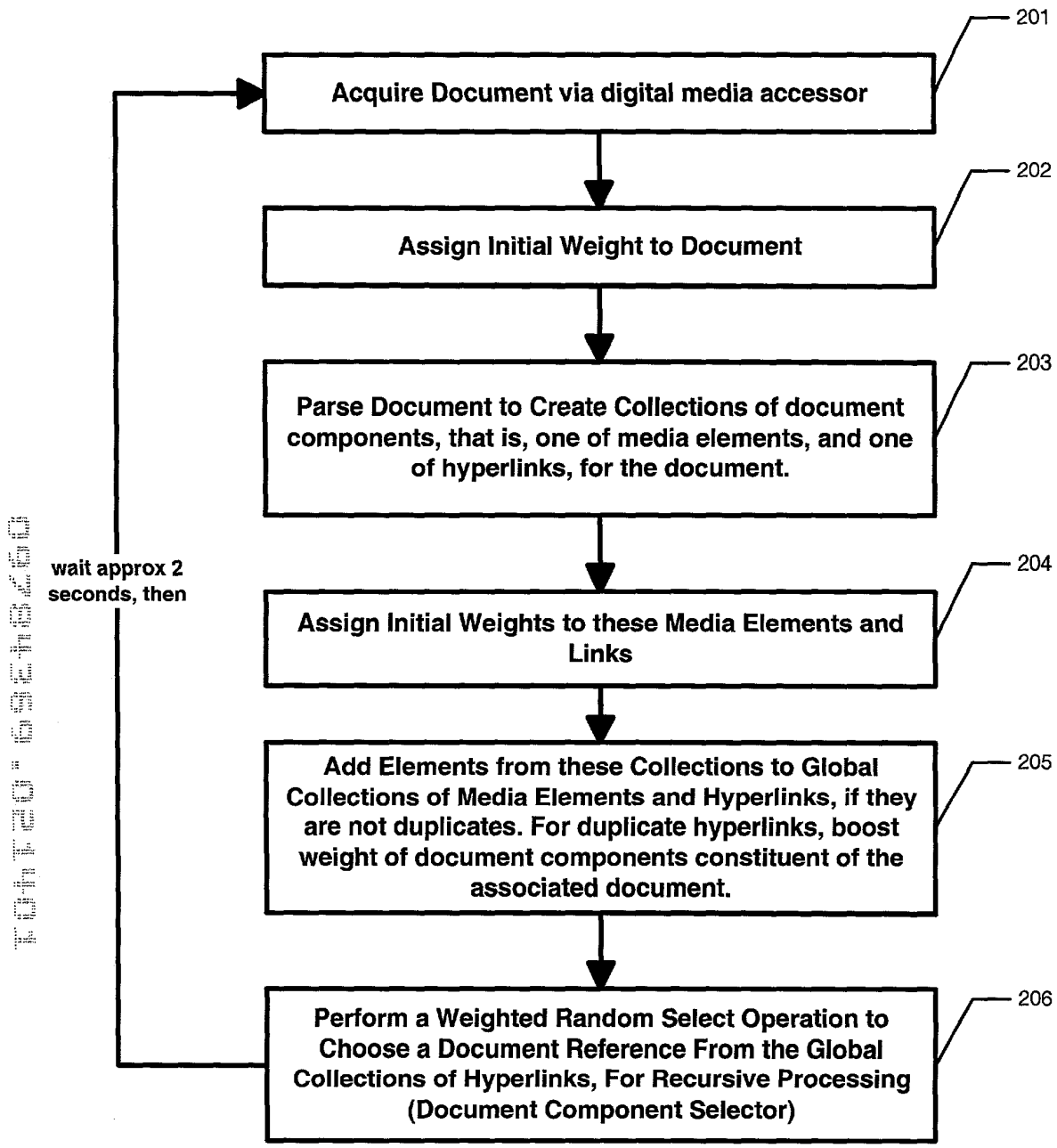

FIG 2. Break Documents Down into Document Components, and Select Document References for Further Processing

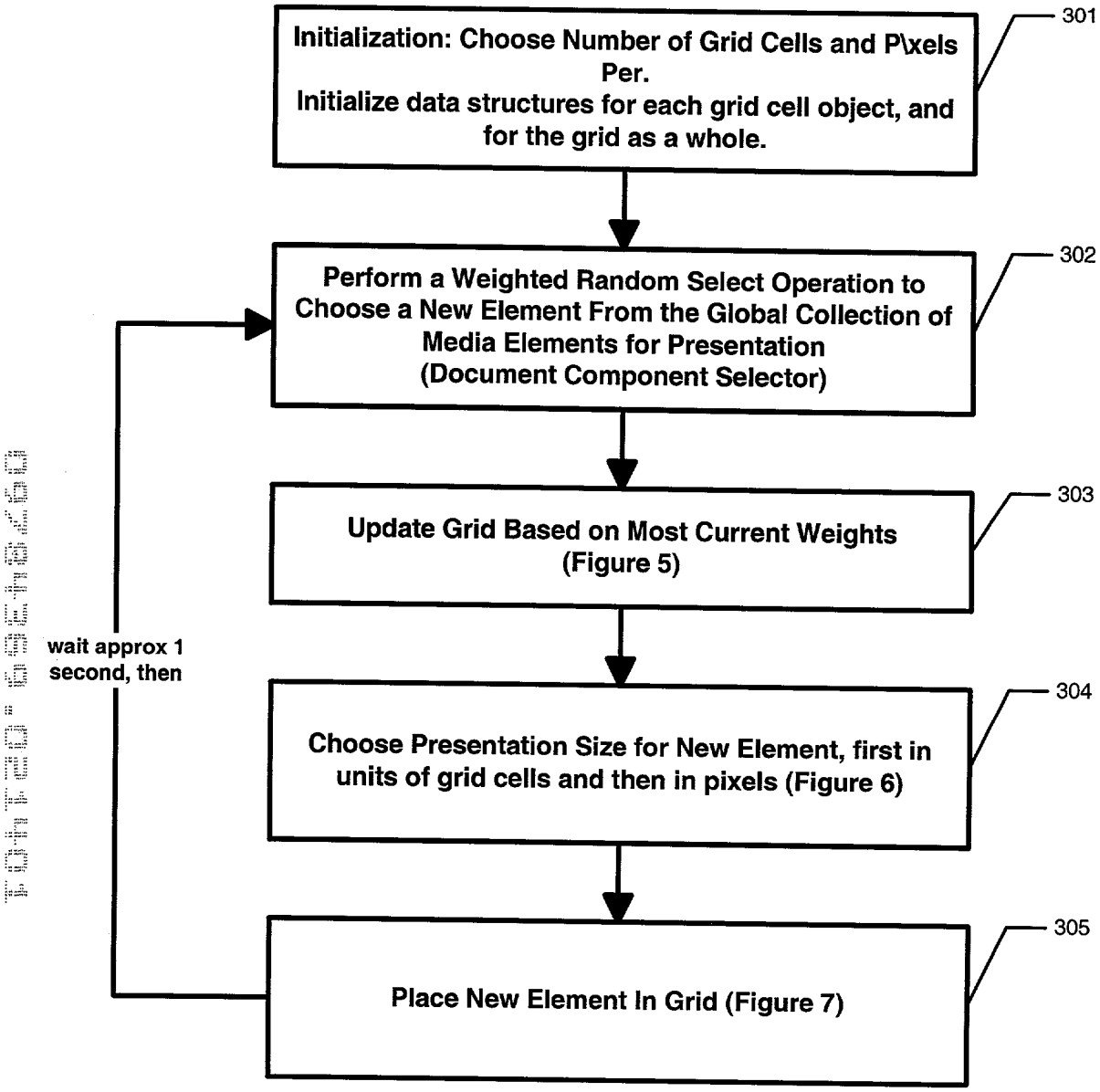

FIG 3. Weighted Grid Presentation Grid Overview

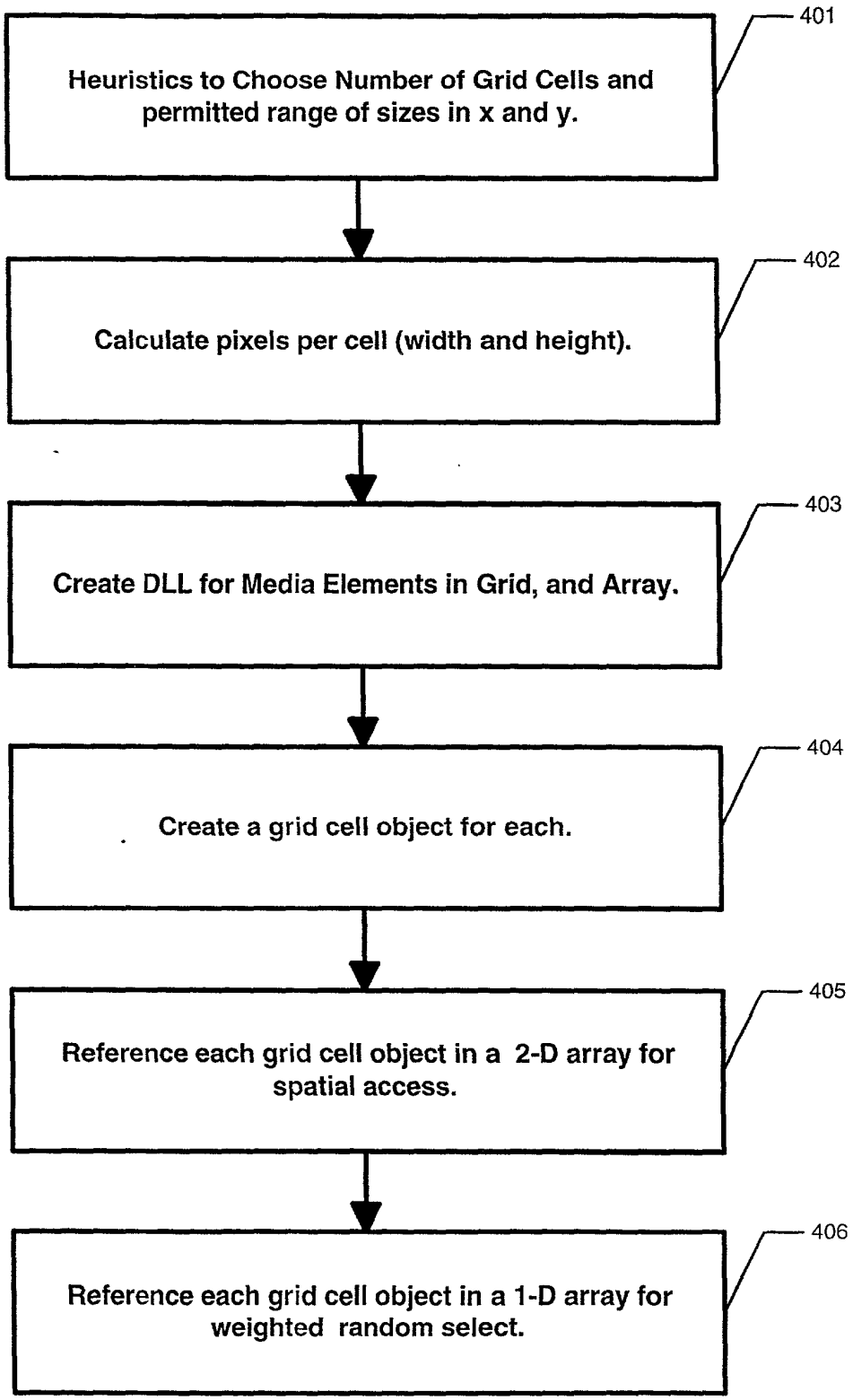

FIG 4. Initialization of the Weighted Presentation Grid

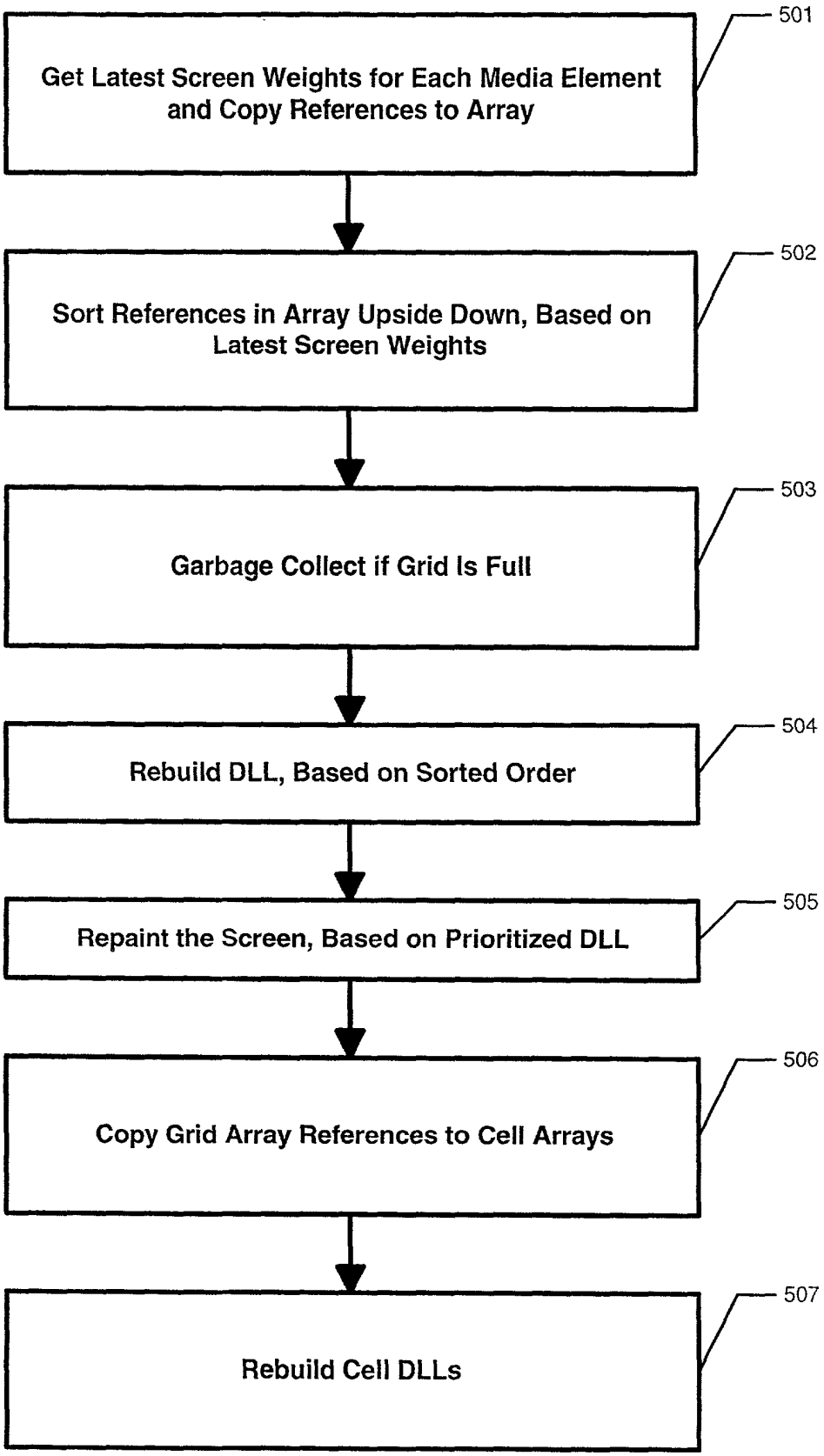

FIG 5. Update Weighted Grid

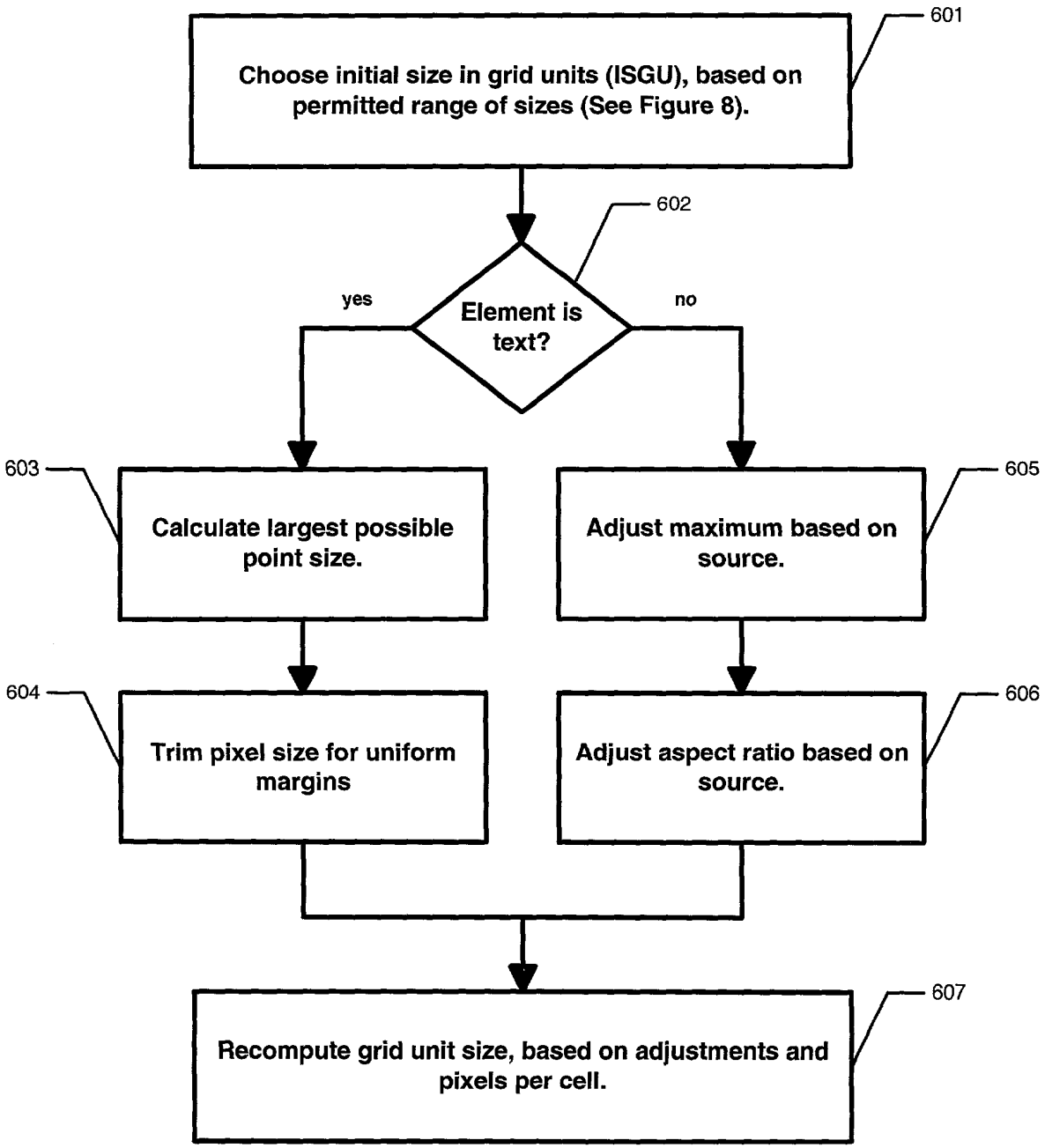

FIG 6. Choose Presentation Size of Element to be Added

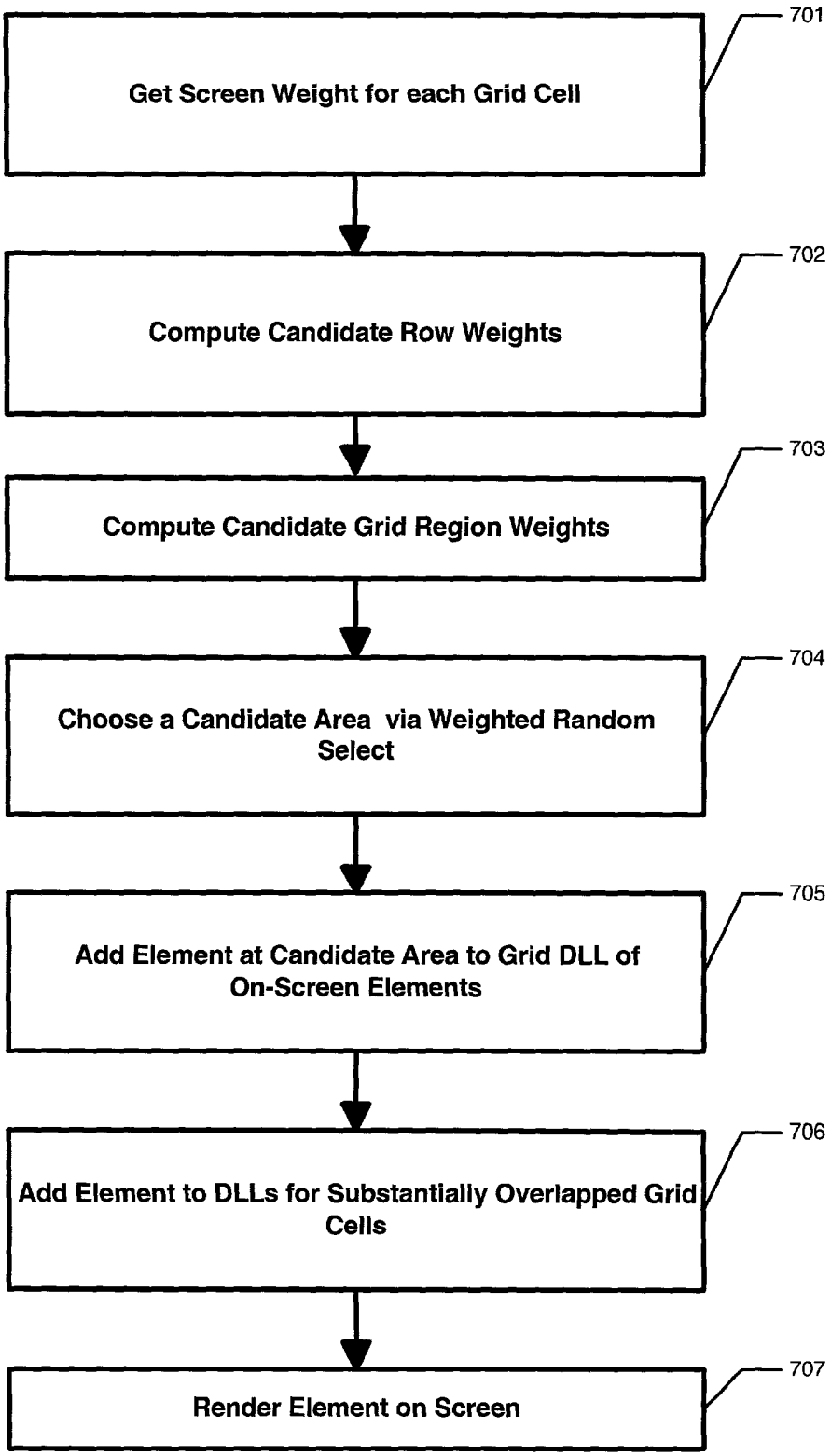

FIG 7. Place New Element in Grid

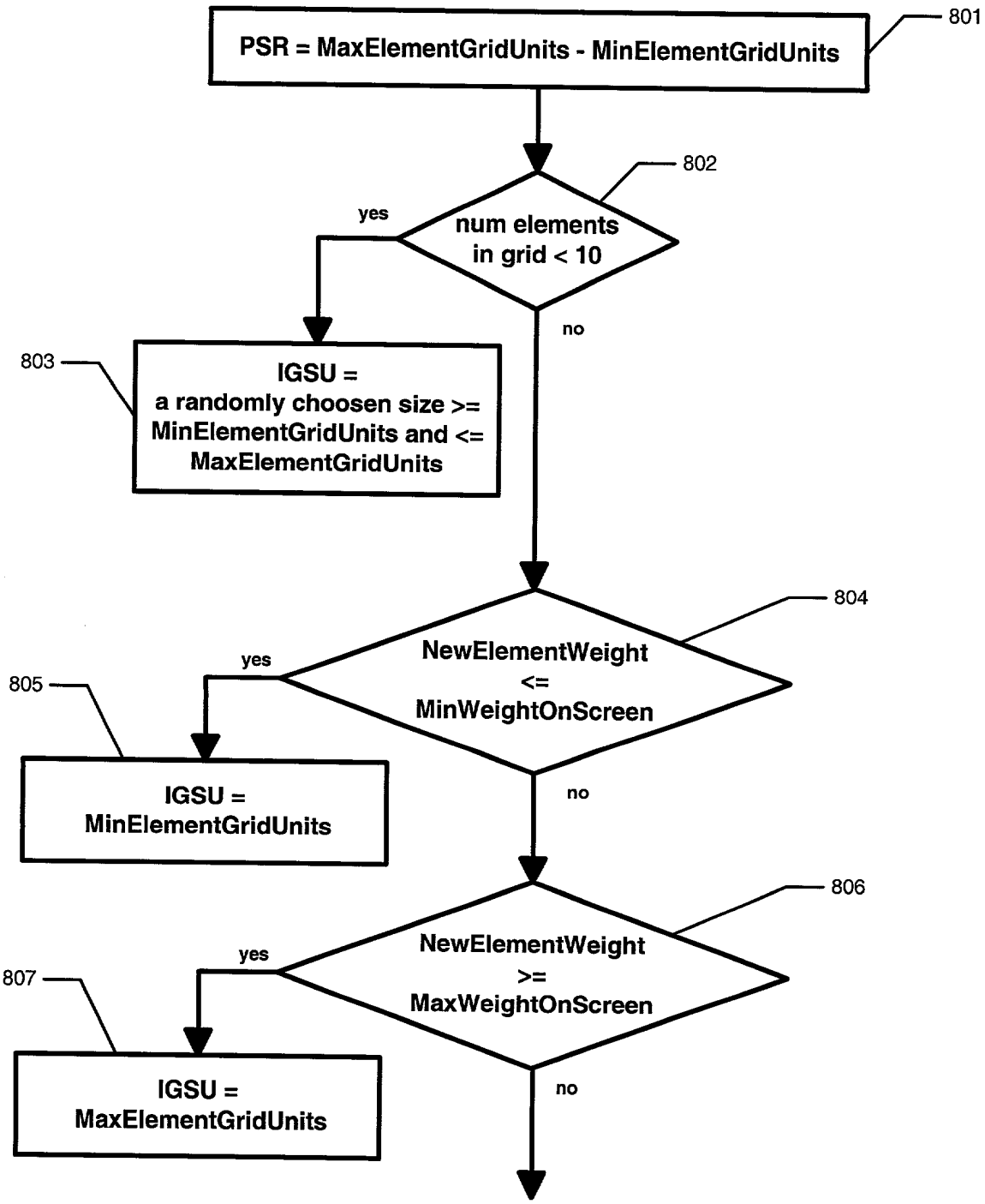

FIG 8 Adaptive Algorithm to Choose the Initial Size in Grid Units (ISGU) for a New Element to be Place in the Collage Visualization Grid

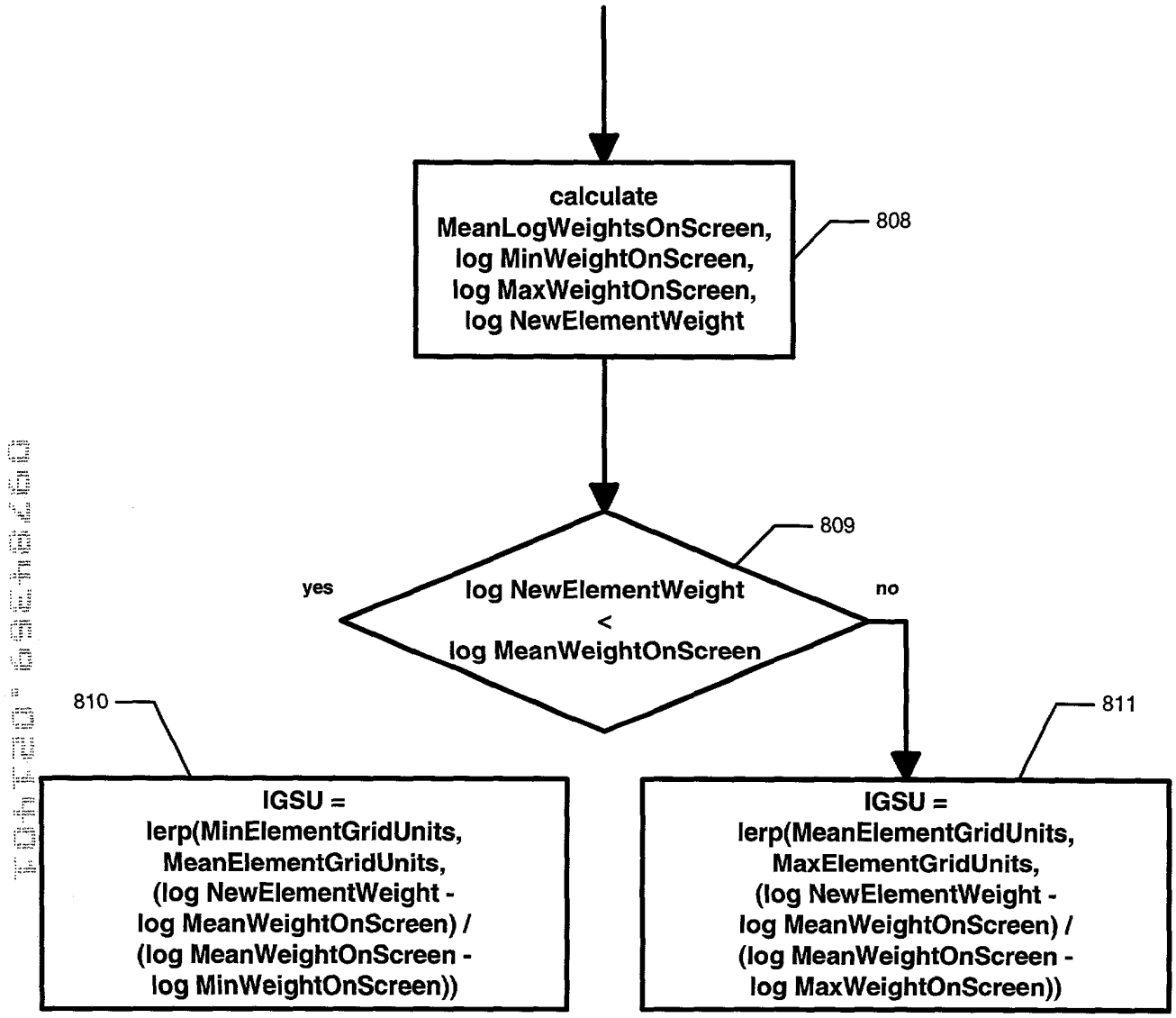

FIG 8b. Adaptive Algorithm to Choose the Initial Size in Grid Units (ISGU) for a New Element to be Place in the Collage Visualization Grid, continued.

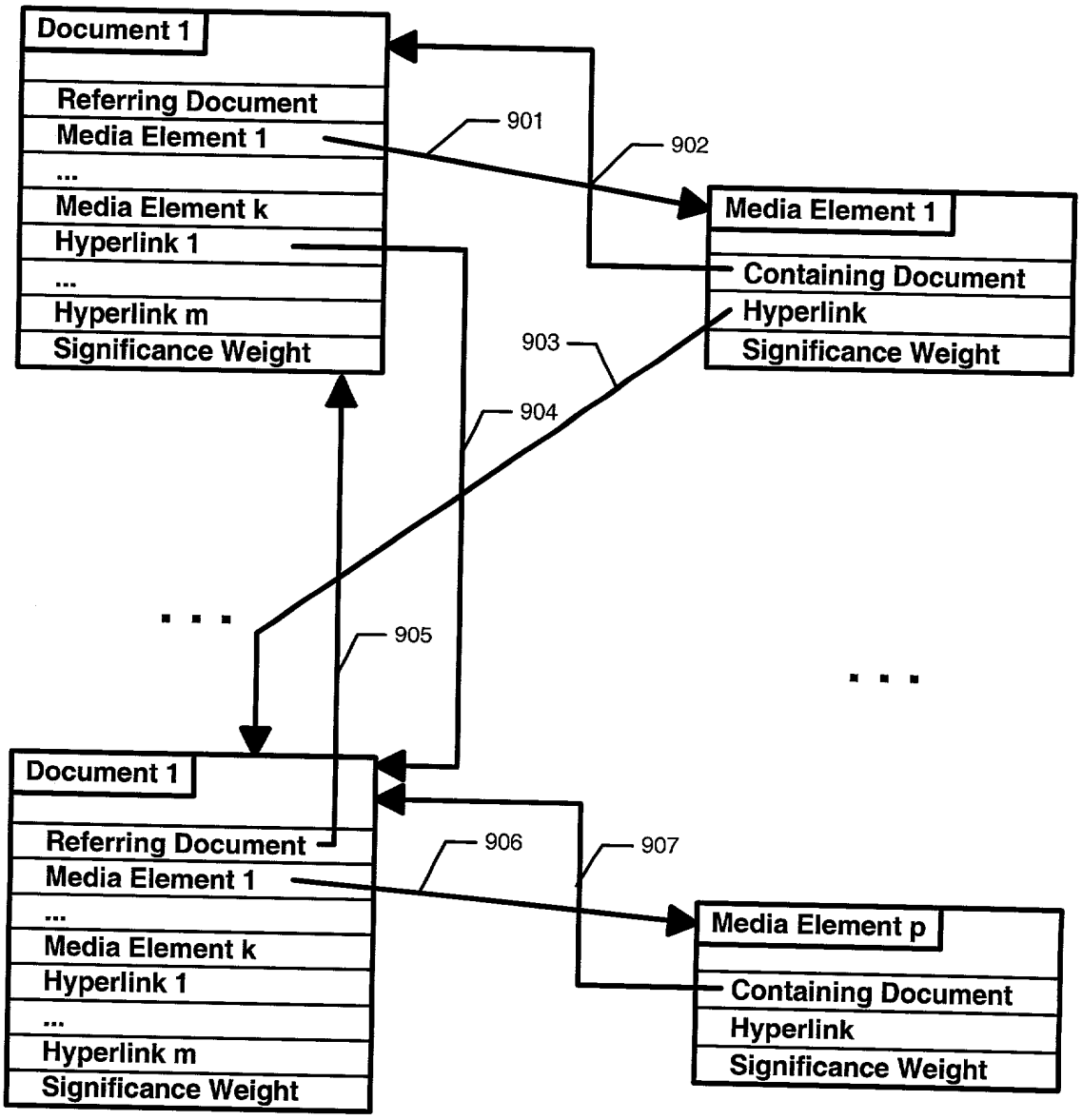

FIG 9. Agent Referential Structure includes the Document Component Store and Significance Weights.